

PLACING OR REPLACING STRUCTURES UNDER
EXISTING PAVEMENT

The Standard Specifications are revised as follows:

SECTION 715, AFTER LINE 326, INSERT AS FOLLOWS:

715.10.1 Pavement Replacement. *Where a structure is to be placed under an existing pavement, the pavement removal and replacement shall be as shown on the plans.*

The pavement replacement areas in asphalt pavements shall be filled with HMA for Structure Installation of the mixture type specified in the pay item in accordance with 402 except OG mixtures shall be in accordance with 401.05. A MAF in accordance with 402.05 will not apply. Mixtures will be accepted in accordance with 402.09. Each course shall be compacted by approved mechanical equipment in accordance with 409.03(d).

The pavement replacement areas in Portland Cement Concrete pavements shall be filled with PCCP in accordance with 502.

Partial loads of HMA or PCCP left over from structure installation processes shall not be incorporated into other work.

SECTION 715, AFTER LINE 369, INSERT AS FOLLOWS:

Pavement replacement and subbase necessary due to structure placement under an existing pavement will be measured to the neat lines shown on the plans.

SECTION 715, AFTER LINE 391, INSERT AS FOLLOWS:

Pavement replacement necessary due to structure installation under an existing pavement will be paid for at the contract unit price per megagram (ton) of HMA for structure installation of the type specified and per square meter (square yard) for PCCP for structure installation. Subbase will be paid for in accordance with 302.09.

SECTION 715, AFTER LINE 467, INSERT AS FOLLOWS:

HMA for Structure Installation, Type ____ Mg (TON)*
PCCP for Structure Installation m2 (SYS)

SECTION 715, AFTER LINE 605, INSERT AS FOLLOWS:

* Mixture Type

SECTION 715, BEGIN LINE 621, DELETE AND INSERT AS FOLLOWS:

*The costs of sawing of pavement, excavation above the trench bottom elevation shown on the plans, backfilling with material other than ~~B-borrow~~ for structure backfill or flowable ~~mortar~~ backfill, dewatering, shoring, timber mats, ~~pavement replacement~~, class A concrete required for collar construction or sealing existing pipe, joint materials, replacing pipe which is damaged during installation or re-laying operations, sanitary sewer testing required by the local utility, and all other necessary incidentals shall be included in the cost of the pay items *in this section*. The cost of removal of pavement, existing pipe, end sections*

SECTION 718, AFTER LINE 216, INSERT AS FOLLOWS:

718.08 Patching Underdrains. *Underdrains that are disturbed shall be repaired such that the underdrain is perpetuated. This repair shall include the construction of new outlets where the existing configuration prior to the damage can not be reinstalled. The repairs shall be as*

approved by the Department. Once the repairs are completed, a video inspection may be required by the Department to verify that the repairs have been successfully completed.

Geocomposite edge drains that are disturbed shall be outletted as approved and not perpetuated.

~~718.08~~ 718.09 Method of Measurement. *Underdrains and outlet pipe will be measured in accordance with 715.11. Outlet protectors will be measured by the number and type of units installed.*

Structure backfill will be measured in accordance with 211.09. HMA for underdrains will be measured by the megagram (ton).

Aggregate for underdrains will be measured by the cubic meter (cubic yard), complete in place. The pay limits will not extend beyond the neat lines shown on the plans.

Geotextiles will be measured by the square meter (square yard) based on the neat line limits shown on the plans.

Video inspections for underdrains will be measured by the meter (linear foot) as determined by the electronic equipment.

Patching of underdrains will not be measured.

Rodent screens, elbows, increaser or decreaser connections, and other incidentals will not be measured for payment.

Concrete, reinforcing steel, or sod for underdrain outlet protectors will not be measured for payment.

~~718.09~~ 718.10 Basis of Payment. *The accepted quantities of underdrains and underdrain outlet pipe will be paid for in accordance with 715.12. Aggregate for underdrains will be paid for at the contract unit price per cubic meter (cubic yard). Geotextile for underdrains will be paid for at the contract unit price per square meter (square yard). Outlet protectors will be paid for at the contract unit price per each of the type of unit installed, complete in place. The accepted quantities of HMA for underdrains will be paid for at the contract unit price per megagram (ton).*

Underdrain patching for structure installation will be paid for at the contract unit price per meter (linear foot) of underdrain, patching and shall be equal to the length of the theoretical pavement replacement as shown on the plans.

Structure backfill will be paid for in accordance with 211.10.

The final accepted quantity video inspection for underdrain will be paid for at the contract unit price per meter (linear foot).

Payment will be made under:

<i>Metric Pay Item</i> <i>(English Pay Item</i> <i>Pay Item</i>	<i>Metric Pay Unit Symbol</i> <i>English Pay Unit Symbol)</i> <i>Pay Unit Symbol</i>
<i>Aggregate for Underdrains.....</i>	<i>m3 (CYS)</i>
<i>Geotextile for Underdrains.....</i>	<i>m2 (SYS)</i>
<i>HMA for Underdrains</i>	<i>Mg (TON)</i>
<i>Outlet Protector, _____</i> <i>type</i>	<i>EACH</i>
<i>Underdrain, Patching</i>	<i>m (LFT)</i>
<i>Video Inspection for Underdrain.....</i>	<i>m (LFT)</i>

Geotextile for underdrains which has been rejected due to contamination or other reasons shall be replaced with no additional payment.

The cost of excavation, forming, reinforcing steel, concrete, curing materials, and sod shall be included in the cost of outlet protector.

The cost of providing the video inspection equipment, technician, videotapes, or computer disks shall be included in the cost of the underdrain video inspection. The cost of repair of underdrain pipes, aggregates, backfill, outlet protectors, geotextile fabric, of providing video re-inspection of the repairs, etc. shall be included in the cost of the other pay items in this section.

Where underdrain repair for structure installation is required, the cost of underdrain pipe, aggregate for underdrains, geotextile for underdrains, HMA for underdrains, outlet protectors if required, video inspection for underdrains, and all other incidentals for underdrains shall be included in the cost of underdrain, patching. The cost of repairing underdrains damaged by activities other than for structure installation, or as defined above, shall be at the Contractor's expense.

The cost of disposal of unsuitable excavated materials, installation of pipe end caps, rodent screens, elbows, increaser or decreaser connections, and other incidentals shall be included in the cost of the underdrain.